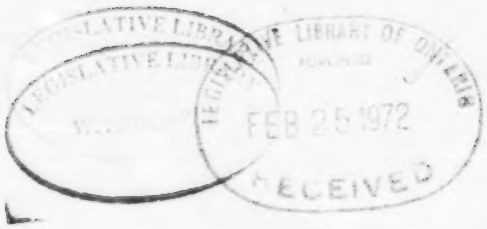
Alberta statistical reviews



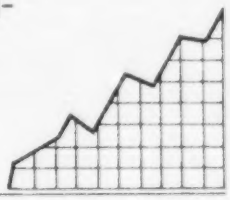
1970 ANNUAL REVIEW OF BUSINESS CONDITIONS

ALBERTA

47

101-06555/

review of business conditions- alberta- 1970



The growth rate of the Alberta economy was slowed in 1970 but only in comparison with recent years. The construction industry bore the weight of the federal government's restrictive monetary policy; higher than usual rates of unemployment inevitably resulted.

Farmer's cash income was well below the record level of 1968 but well above that of 1969 and general prospects have brightened considerably in recent months. Canadian Wheat Board net cash advance payments to Alberta farmers totalled $46 million in 1969: in 1970 farmers repaid nearly $30 million. There was therefore a net decline in total cash receipts. Mineral production and value rose substantially. Manufacturing industries showed surprising growth, rising by nearly $90 million in value. The enginering construction industry had a heavy load of work but increases in volume were offset by sharp declines in residential and commercial building. The reduced load of construction under way at year end was reflected in the highest rate of unemployment for more than a decade. The pervasive uncertainty throughout 1970 as to the prospects for agriculture and as to the general national economic conditions resulted in a cautious consumer buying reaction and retail sales were barely at 1969 levels. Labour income was substantially higher than in 1969; a larger employed labour force and higher wage and salary rate much more than offset the higher numbers of unemployed.

Retail and wholesale sales only remained close to 1969 volume. The sharp drop in purchases of automobiles and of farm implements was the major reason for the fall-off in merchandise trade. Other sales volumes increased in line with population growth and/or price changes.

While there were more persons unemployed throughout the year, labour income rose by nearly 11% to close to $3 billion both because of a greater number employed than in 1969 and because of higher rates of salaries and wages. Cash flows were also maintained through higher unemployment insurance and social allowance payments, both of which rose sharply.

In the Alberta case, the rise in the number of unemployed and the general business slowdown was directly attributable to the cutback in building construction. The federal government's easing of money supplies and other restrictions came too late to have any effect on the local conditions during the winter 1970/71, but is expected to have an effect during the 1971 construction season.

The revaluation which followed the freeing of the dollar to find its own level in international markets resulted in cheaper imports and a consequent slowdown in the rate of inflation. The government bought time. However, with no effective slowdown in salary and wage rate settlement increases, and with continuing inflation in the countries from which Canada imports, prospects are for a resumption of inflation as soon as the initial effects of revaluation have worn off. Canadian manufacturers also face the prospect of more severe local competition with the implicit lower tariffs; at the same time their exports will face more severe competition in foreign markets.

For Albertans, 1970 has on the whole been a period of marking time, of holding the line, rather than one of surgent optimism and progress. This of course contrasts sharply with the experience of many areas of the continent which lost, rather than held, ground.

Prospects for Albertans in 1971 are somewhat brighter though still uncertain. The agricultural community is adjudged to have a brighter outlook with grain sales increasing, with more diversification, and with livestock prices relatively firm. There is no doubt that mineral output will increase throughout 1971; until the federal taxation proposals have been clarified the industry will be cautious about new investments. The extent to which a resurgence can be expected in the building construction industry depends on clear and massive support and direction from the federal government; there should be no slowdown in 1971 in engineering construction. Substantial increases in manufacturing output all along the line also depend to a great extent on improved construction industry performance — both as market for products and as a needed stimulus to general consumer confidence. Forestry output depends not only on local construction activity, but more importantly on the American markets — in which there are indications of more action.

GENERAL STATISTICS

		1967	1968	1969	1970
Labour Income	$'000	2,224,000	2,475,000	2,910,000	3,221,000
Unemployment Insurance					
Benefit Weeks	No.	385,825	485,415	627,172	947,496
Benefit Payments	$'000	10,137	13,049	19,928	33,820
Social Allowance Payments	$,000	29,767	33,231	46,778	57,081
Bank Debits					
Calgary	M $'000	18,430	22,357	25,470	28,896
Edmonton	M $'000	15,492	18,021	20,420	21,107
Lethbridge	M $'000	922	1,089	1,213	1,233
Medicine Hat	M $'000	399	441	488	473
TOTAL	M $'000	35,243	41,908	47,591	51,709
Life Insurance	$'000	622,930	663,318	787,249	756,425
Financing of Motor Vehicles:					
Passenger Cars	No.	31,034	28,674	28,986	21,573
	$'000	65,778	65,586	71,303	49,938
Commercial Vehicles	No.	9,830	10,651	11,103	11,169
	$'000	31,384	33,886	44,209	48,051
Aircraft Movement Statistics: Itinerant					
Calgary International	No.	57,197	64,849	70,060	73,457
Edmonton Industrial	No.	75,521	82,652	86,388	81,416
Edmonton International	No.	20,250	21,932	23,538	26,728
Lethbridge	No.	20,166	18,054	17,452	15,276
Restaurant Receipts	$'000	85,039	92,893	100,154	102,901

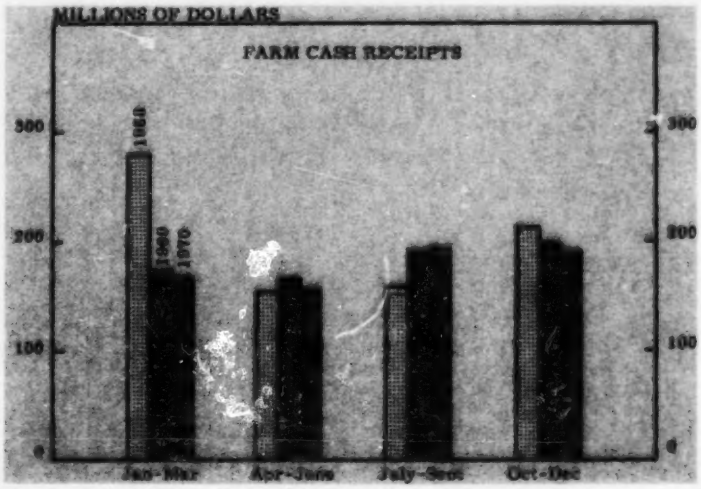
agriculture

The pessimism which prevailed well into the new crop year concerning the outlook for grain sales has been replaced by an equally soundly based optimism resulting from sales contracts both firm and in prospect. Grain sales 1970 exceeded those of 1969 by a wide margin. However, there was a net decline in total cash receipts for grain, because in 1969 Canadian Wheat Board net cash advance payments to Alberta farmers totalled $46 million, but in 1970 farmers repaid nearly $30 million. Livestock, poultry and dairy products sales have been consistently higher.

There has been a pronounced swing to grains other than wheat, and to oilseeds. This diversification is expected to place producers in a position to serve a wider range of foreign and internal markets.

ESTIMATED ALBERTA FARMERS' CASH RECEIPTS FROM FARMING OPERATIONS

	1967 ($'000)	1968 ($'000)	1969 ($'000)	1970 ($'000)
Wheat	245,195	230,888	123,150	121,050
Oats	9,881	7,715	7,543	4,952
Barley	68,298	66,106	49,239	67,597
C.W.B. Net cash advance payments	292	12,918	45,708	— 29,739
Rye	1,768	1,094	640	1,642
Flaxseed	11,834	4,669	12,484	13,048
Rapeseed	20,381	15,739	18,555	35,813
Sugar Beets	5,854	7,024	8,731	9,206
Potatoes	6,039	5,718	7,802	10,190
Vegetables	1,747	2,197	2,219	2,317
Other Crops	11,351	14,532	9,417	9,336
TOTAL CROPS	382,640	368,600	285,488	245,412
Cattle and Calves	240,685	258,665	261,902	257,429
Hogs	74,218	78,600	83,504	91,795
Sheep and Lambs	2,476	2,607	1,926	1,564
Dairy Products	41,821	43,924	43,334	45,252
Poultry	18,974	17,529	19,211	21,476
Eggs	11,092	11,808	14,667	14,432
Other Livestock and Products	8,240	7,188	8,120	8,541
TOTAL LIVESTOCK AND PRODUCTS	397,506	420,321	432,664	440,489
Forest Products	149,	124	100	97
Dairy Supplementary Payments	9,586	10,154	7,911	6,517
Deficiency Payments	3,020	1,782	3,396	1,654
Cash Receipts from Farming Operations	792,901	800,981	729,559	694,169
Supplementary Payments	1,898	2,151	2,429	14,493
TOTAL CASH RECEIPTS	794,799	803,132	731,988	708,662

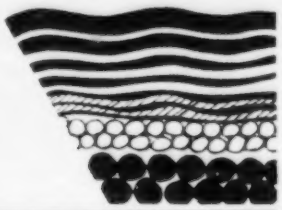


SHIPMENTS OF GRAIN FROM ALBERTA COUNTRY ELEVATORS

(thousands of bushels)

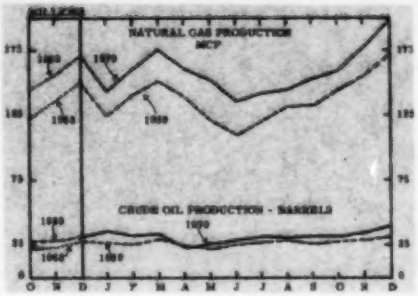
	1967	1968	1969	1970
Wheat	111,206	113,080	83,478	112,261
Oats	14,191	6,676	6,838	11,945
Barley	68,989	42,862	59,181	101,915
Rye	1,798	1,059	583	1,653
Flaxseed	4,456	1,832	3,958	4,998
Rapeseed	7,994	7,656	6,353	13,410

minerals



The Dominion Bureau of Statistics estimates the value of sales of minerals produced in Alberta in 1970 at $1,393 million, 15% higher than in 1969.

The major increases, not surprisingly, were in sales of crude oil, natural gas, and coal. Although the physical volume of sulphur moved again rose sharply, the unit price dropped even more sharply. Coal production doubled, as volume shipments to Japan began. By year end, American import quotas and the wellhead price of crude oil had been raised, practically ensuring even more significant increases in 1971 value of sales.



MINERAL PRODUCTION — ALBERTA

		1967	1968	1969	1970
Coal Production					
Bituminous	Tons	937,836	948,480	1,231,108	2,863,705
Sub-Bituminous	Tons	2,663,723	2,976,634	3,194,952	3,920,206
	$'000	12,506	12,597	13,483	26,710
Salt Production	Tons	126,566	153,058	265,390	285,738
Lime Production	Tons	61,454	74,337	83,632	88,359
	$'000	1,043	1,255	1,431	1,784
Sand and Gravel	M Tons	14,187	13,600	14,904	14,000
	$'000	11,929	10,740	10,530	10,000
Stone	Tons	141,509	220,523	314,701	400,000
	$'000	567	696	1,098	1,200
Sulphur					
Production	Long Tons	2,116,164	2,989,588	3,653,957	4,181,636
Sales in Canada	Long Tons	552,461	564,527	495,780	561,934
Sales in United States	Long Tons	731,107	757,203	907,287	952,322
Offshore Sales	Long Tons	851,431	887,547	1,165,214	1,557,288
Value of Sales	$'000	64,951	76,318	58,863	27,435
Clay Products — Gross Sales	$'000	4,117	4,425	4,640	3,400
Crude Oil, Synthetic Crude Condensate, Pentanes Plus					
Production	M Bbls.	263,543	288,238	326,397	380,298
Value to Producer	$'000	663,440	744,523	837,931	991,271
Sales in Canada	M Bbls.	138,428	148,396	154,641	173,527
Sales in United States	M Bbls.	124,432	134,863	168,447	205,056
Natural Gas					
Production	MMCF	1,242,001	1,429,227	1,676,624	1,941,763
Sales in Canada	MMCF	546,105	589,043	713,454	824,249
Sales in United States	MMCF	413,839	498,972	558,024	654,794
Value of Sales	$'000	150,562	170,961	200,408	243,877
Propane					
Production	M Bbls.	12,848	14,512	16,616	20,058
Sales in Canada	M Bbls.	6,921	8,034	9,263	8,733
Sales in United States	M Bbls.	3,383	3,847	4,116	7,774
Offshore Sales	M Bbls.	2,114	2,089	3,129	3,169
Value of Sales	$'000	21,032	21,519	21,103	26,432
Butane					
Production	M Bbls.	8,889	9,844	10,419	12,544
Sales in Canada	M Bbls.	2,656	3,025	3,016	3,838
Sales in United States	M Bbls.	5,813	6,414	7,100	8,728
Value of Sales	$'000	11,776	13,151	12,883	14,961
Peat Moss	Tons	7,275	7,993	9,261	10,000
	$'000	117	202	282	310
Sodium Sulphate	Tons	—	—	—	—
	$'000	—	—	281	1,190

manufacturing

The value of manufacturers shipments, at over $1.9 billion, is more than double the figure of a decade ago. For the past five years the values have increased annually by between $100 million and $200 million per year.

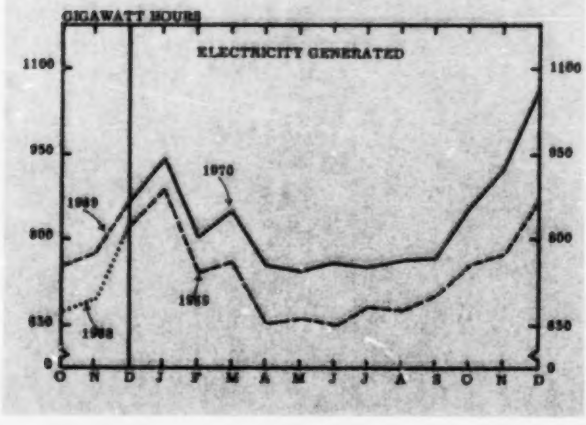
Despite the unsettled state of the national economy, Alberta output increased by nearly 5% in 1970. Increases in value of shipments of the Foods and Beverages (up $56 million), the Primary Metals (up $14 million), the Metal Fabricating (up $7 million), the Petroleum Refining (up $8 million), and the Chemicals Industries (up $5 million), more than offset the small declines in the other manufacturing industries.

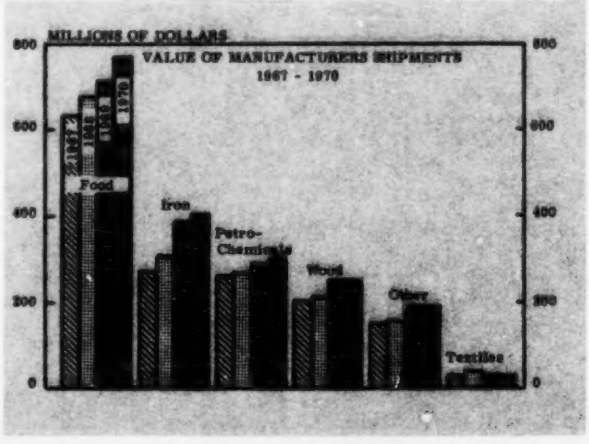
VALUE OF MANUFACTURING SHIPMENTS — ALBERTA

1960, 1967, 1968, 1969 and 1970

Industries	1960[1]	1967[1]	1968[1]	1969[2]	1970[2]
	(thousands of dollars)				
Foods and Beverages	351,001	635,300	678,000	714,000	770,000
Leather	1,031	2,200	2,700	2,900	4,000
Textile	7,501	12,100	14,500	13,600	13,000
Clothing	11,729	22,000	24,800	21,400	21,000
Wood	39,357	90,000	95,300	119,000	110,000
Furniture and Fixtures	9,180	16,800	17,200	17,700	18,000
Paper and Allied	41,087	49,100	50,900	55,800	58,000
Printing, Publishing and Allied	30,074	47,000	51,700	57,500	64,000
Primary Metal	50,325	106,700	134,400	152,600	166,000
Metal Fabricating	52,633	98,000	104,000	133,000	140,000
Machinery	5,031	25,600	25,800	33,100	30,000
Transportation Equipment	26,180	41,500	41,700	63,200	65,000
Electrical Products	5,859	20,500	22,400	26,800	30,000
Non-Metallic Mineral Products	55,672	91,900	96,300	111,000	105,000
Petroleum Refining	108,380	145,700	156,300	177,000	185,000
Chemical and Chemical Products	57,928	114,900	113,000	112,000	117,000
Miscellaneous Manufacturing	6,998	35,685	38,400	45,300	46,000
Total	859,966	1,554,985	1,667,400	1,855,900	1,942,000

[1] Final Dominion Bureau of Statistics.
[2] Preliminary Alberta Bureau of Statistics.





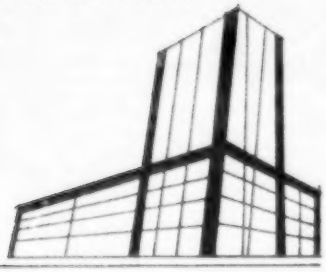
SHIPMENTS ALBERTA MANUFACTURING INDUSTRIES

		1967	1968	1969	1970
Petroleum Products Refined					
Motor Gasoline	M Bbls.	16,791	18,140	18,769	18,739
Diesel Fuel Oil	M Bbls.	7,065	7,905	8,037	9,077
Other	M Bbls.	12,690	11,961	13,615	13,319
Total	M Bbls.	36,546	38,005	40,420	41,136
Flour Mills					
Production	M Centals	5,974	6,306	5,111	5,111
All Mill Products Shipped	$'000	34,845	36,320	30,521	30,812
Creamery Butter					
Production	M Lbs.	33,396	32,040	29,527	29,324
	$'000	21,230	20,653	19,281	18,987
Cheddar Cheese					
Production	M Lbs.	3,103	3,303	2,882	3,357
	$'000	1,373	1,496	1,470	1,511
Ice Cream					
Production	M Gals.	5,482	5,091	5,453	5,662
	$'000	8,223	7,891	9,107	8,823
Carbonated Beverages	$'000	11,521	12,195	17,214	22,619
Packing Plants					
Gross Sales	$'000	357,838	382,353	403,069	438,135
Production	M Lbs.	723,277	776,392	694,133	764,485
	$'000	270,095	287,786	294,357	322,436
Exports	M Lbs.	481,358	491,550	427,936	482,601
	$'000	190,342	193,218	189,424	218,181
Livestock Slaughtered					
Cattle	No.	846,419	899,931	860,475	895,320
Calves	No.	67,312	63,656	31,562	18,917
Hogs	No.	1,407,583	1,541,046	1,268,145	1,515,573
Sheep and Lambs	No.	60,868	50,854	40,911	36,311
Sawmills					
Production: Lumber	MFBM	301,945	336,807	425,793	445,000
Railway Ties	No.	535,956	458,744	320,761	329,000
Sales: Lumber	MFBM	321,686	346,000	390,674	385,000
	$'000	19,239	24,329	32,764	24,400
Railway Ties	No.	554,715	514,635	263,567	329,000
	$'000	1,137	1,055	631	878
Cement Production	M Tons	860	830	890	880
	$'000	12,288	11,863	18,944	19,731
Brewed Products	M Gals.	n.a.	n.a.	19,304	19,785
Electricity:					
Net Generated	MWH	6,797,845	7,661,401,	8,808,534	9,953,296

FORESTRY, FISHING, TRAPPING, TRAVEL

		1967	1968	1969	1970
Pulpwood Production	Cunits	259,511	192,946	333,340	312,833
	$'000	5,343	3,972	6,863	6,441
Fur (Wild Life) Pelts	No.	797,896	820,704	646,452	499,265
	Value $	1,783,666	1,520,347	1,996,232	1,910,421
Fisheries					
Production	M Lbs.	9,912	11,881	10,968	7,337
	Value $	1,426,364	1,476,517	1,559,454	1,732,396
Foreign Vehicles Entering Through Alberta Border Points	No.	104,150	111,992	122,988	136,472
Visitors to National Parks					
Banff (East Gate)	No.	2,038,328	2,136,832	2,239,016	2,297,275
Elk Island	No.	224,139	279,451	302,833	304,964
Jasper (East Gate)	No.	605,271	789,239	1,056,997	1,285,298
Waterton Lakes	No.	503,729	516,112	472,850	520,321
TOTAL	No.	3,371,467	3,721,634	4,071,696	4,407,878

construction



Early in the year it was estimated that construction volume would reach $1,708 million in Alberta, up from $1,605 million in 1969. The value of building construction was expected to reach $777 million and engineering construction $931 million. It is extremely doubtful that building construction met expectations; it is very likely that engineering exceeded expectations.

The current indicator of developments and pace of construction is from the value of building permits issued. Despite some improvements toward year end the value of permits was down by over $54 million in the cities, and by over $22 million in other areas. Of the major cities, Calgary showed a slight increase over 1969; in Edmonton the decline was of the order of $61 million. Residential and commercial building permits issued declined by $27 million and $48 million respectively; only institutional and government building volume held up. By year end there were some encouraging indications of some improvements in residential building prospects.

VALUE OF CONSTRUCTION WORK PERFORMED — ALBERTA — 1968 - 1970

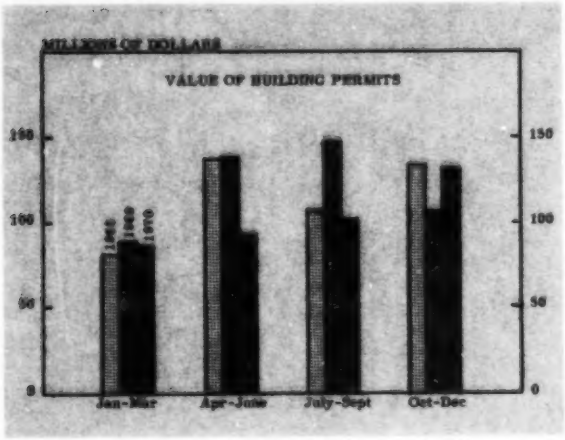
	1968	1969	1970 expected
	$	$	$
Building Construction	649,288,000	771,393,000	776,863,000
Engineering Construction	793,471,000	833,565,000	930,697,000
TOTAL	1,442,759,000	1,604,958,000	1,707,560,000

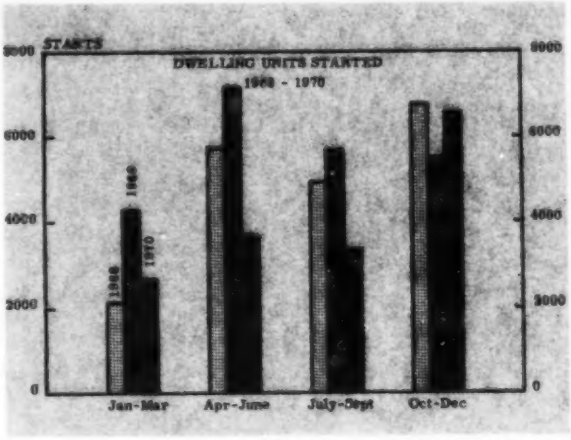
VALUE OF BUILDING PERMITS ISSUED IN CENSUS DIVISION AND BY CITIES ALBERTA — 1967 - 1970

	1967	1968	1969	1970
	$	$	$	$
Division No. 1	5,692,342	7,168,425	6,058,915	6,681,790
Medicine Hat	5,170,725	6,436,262	5,384,690	6,100,865
Division No. 2	15,718,660	13,991,618	22,321,378	31,934,317
Lethbridge	12,777,929	10,120,682	17,683,967	27,633,254
Division No. 3	2,542,585	5,080,571	3,704,044	1,950,226
Division No. 4	628,127	1,104,171	410,350	1,396,264
Division No. 5	6,629,055	2,365,090	2,851,035	1,503,250
Drumheller	5,161,720	1,147,000	2,159,630	474,250
Division No. 6	142,010,912	190,818,979	183,558,728	178,379,629
Calgary	136,945,323	183,128,506	172,371,606	173,431,701
Division No. 7	2,751,106	3,242,943	4,815,396	3,942,580
Division No. 8	8,706,579	9,537,706	11,249,219	9,820,141
Red Deer	5,828,210	6,276,420	7,242,094	6,507,574
Division No. 9	3,606,677	2,955,710	2,237,161	2,939,854
Division No. 10	11,575,952	7,896,238	7,878,491	4,092,786
Camrose	4,409,750	3,396,550	1,540,900	995,600
Lloydminster	4,552,029	1,554,182	2,360,950	1,706,895
Division No. 11	154,592,858	193,729,400	211,657,206	149,443,710
Edmonton	141,083,741	165,804,604	170,093,884	108,674,594
Wetaskiwin	731,935	2,219,331	2,111,320	773,510
Division No. 12	9,167,734	6,901,094	7,189,065	5,065,127
Division No. 13	6,273,454	4,138,013	3,352,021	2,831,958
Division No. 14	4,986,924	3,629,860	4,855,854	4,271,408
Division No. 15	11,516,794	16,459,370	22,149,786	13,486,458
Grande Prairie	2,198,044	5,366,127	3,719,230	4,007,650
TOTAL ALBERTA	386,399,759	469,019,188	494,288,649	417,739,498
TOTAL 10 CITIES	318,859,406	385,449,664	384,668,271	330,305,893

HOUSING STATISTICS

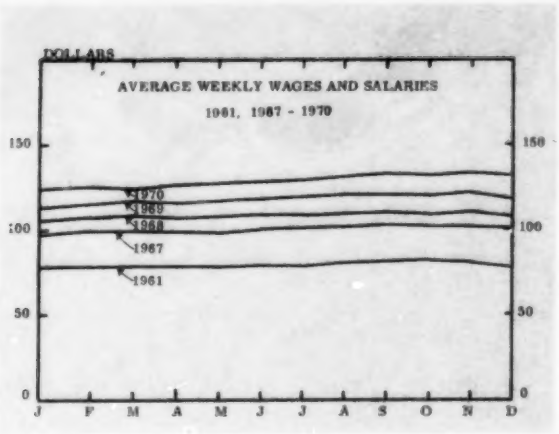
		1967	1968	1969	1970
Alberta:					
Dwelling Starts	No.	10,451	17,317	20,521	14,093
Completions	No.	9,224	12,728	17,356	17,002
Loan Approvals					
New Housing	No.	5,260	9,003	8,439	13,745
Existing Housing	No.	356	355	648	817
Dwelling Starts					
Calgary	No.	3,833	7,403	9,737	6,740
Edmonton	No.	6,111	9,003	9,807	6,330
Completions					
Calgary	No.	4,299	4,301	7,775	9,001
Edmonton	No.	4,477	7,772	8,601	7,129
Under Construction at Year End					
Calgary	No.	1,868	4,906	6,717	4,079
Edmonton	No.	3,846	4,832	5,789	5,087

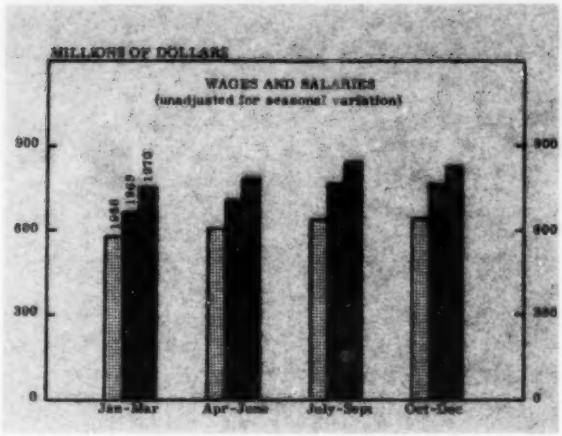




PRICES AND WAGE AND SALARY STATISTICS

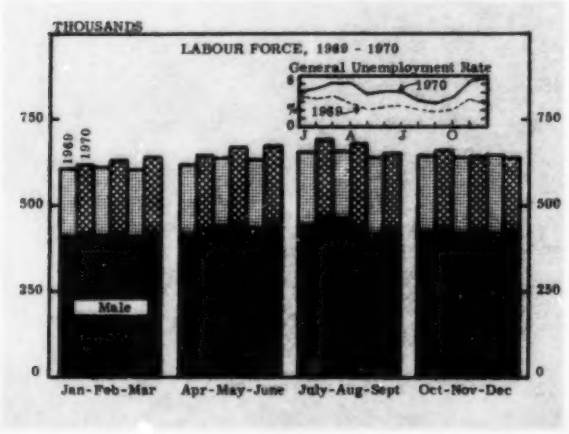
		1961	1967	1968	1969	1970
Consumer Price Index (Edmonton-Calgary):						
Food		100.0	116.4	120.4	125.6	128.7
Housing		100.0	106.5	111.0	115.4	118.6
Clothing		100.0	116.9	121.3	124.4	126.4
Transportation		100.0	107.8	113.2	117.4	121.3
Health — Personal Care		100.0	120.4	128.3	136.1	143.3
Recreation — Reading		100.0	113.8	121.2	127.8	133.2
Tobacco — Alcohol		100.0	109.3	114.2	118.7	124.2
All Items (Weighted Average)		100.0	111.8	116.7	121.5	125.1
Average Weekly Wages and Salaries by Industry for Alberta:						
Mining, including Milling	$	111.35	152.48	161.07	172.43	184.79
Manufacturing	$	82.31	104.22	112.52	123.25	134.60
Construction	$	94.45	123.23	128.29	146.23	165.13
Transportation, Communication and other Utilities	$	83.74	110.61	119.53	130.45	141.04
Trade	$	65.56	81.76	88.13	96.64	103.99
Finance, Insurance and Real Estate	$	69.48	94.04	99.41	108.52	114.13
Service	$	53.59	66.56	72.29	78.17	84.46
Industrial Composite — Alberta	$	80.29	100.86	108.02	117.95	128.18
Average Weekly Wages and Salaries for Selected Urban Areas:						
Industrial Composite — Edmonton	$	74.77	94.95	102.63	111.98	121.83
Industrial Composite — Calgary	$	77.67	100.41	106.71	117.10	126.68
Industrial Composite — Lethbridge	$	—	83.34	88.97	94.88	104.39
Industrial Composite — Medicine Hat	$	—	92.18	96.32	103.96	110.65
Industrial Composite — Red Deer	$	—	85.80	93.03	100.78	105.73
Earnings of Hourly Rated Wage-Earners in Selected Industries for Alberta:						
Mining including Milling	$	2.34	3.18	3.39	3.63	3.97
Manufacturing	$	1.96	2.45	2.64	2.90	3.18
Construction	$	2.26	2.94	3.14	3.61	4.22

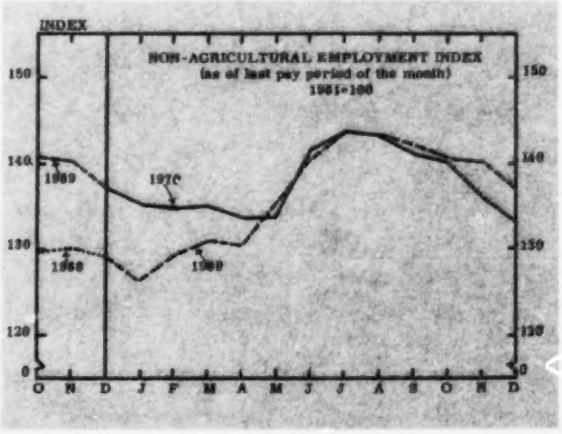


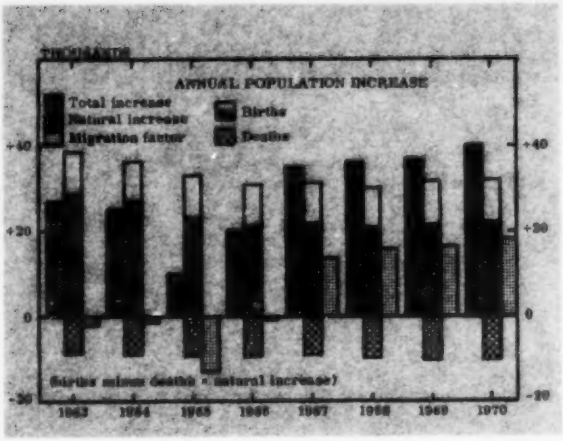


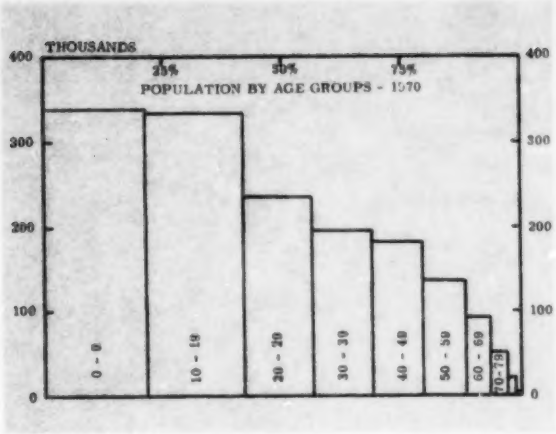
ALBERTA POPULATION AND LABOUR FORCE STATISTICS

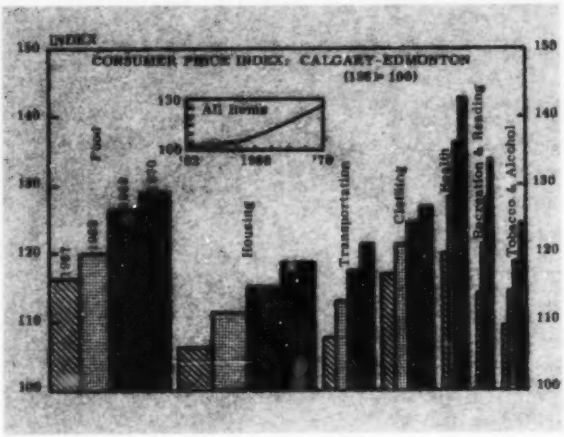
		1961	1967	1968	1969	1970
Population Estimates (June 1st)		1,332,000	1,490,000	1,526,000	1,561,000	1,600,000
Labour Force and Related Data (yearly averages):						
Total Employed		—	564,000	586,000	611,000	622,000
Total Unemployed		—	14,000	18,000	17,000	28,000
Total Labour Force		—	578,000	604,000	628,000	650,000
Participation Rate	%	—	59.0	59.7	60.1	60.2
Unemployment Rate	%	—	2.4	3.0	2.7	4.3
Yearly Averages of Estimates of Employees For Selected Industries:						
Forestry		2,200	2,300	1,700	1,900	1,700
Mines, Quarries and Oil Wells		16,700	19,100	20,300	22,500	24,300
Manufacturing		36,800	48,700	50,400	54,100	54,100
Construction		25,600	35,700	36,400	39,000	38,300
Transportation, Communication and other Utilities		43,300	49,600	48,900	52,200	52,800
Trade		57,700	77,200	80,800	85,300	87,100
Finance, Insurance and Real Estate		11,600	17,200	17,900	19,000	19,800
Community, Business and Personal Services		83,400	130,300	140,600	154,100	160,100
Public Administration and Defence		25,500	30,800	31,800	32,600	35,300
Total Selected Industries		302,900	410,800	428,800	460,800	473,500
Employment Indexes for Selected Industries: (Firms with over 19 Employees)						
Mining, including Milling		100.0	114.4	120.9	131.2	136.6
Manufacturing		100.0	121.2	122.8	129.3	128.9
Construction		100.0	130.2	135.1	143.4	141.8
Transportation, Communication and other Utilities		100.0	117.6	114.8	119.7	121.8
Trade		100.0	125.1	128.6	133.5	133.2
Finance, Insurance and Real Estate		100.0	133.3	137.5	146.7	152.8
Service		100.0	161.8	172.3	192.7	197.9
Industrial Composite		100.0	126.2	128.7	136.7	138.2

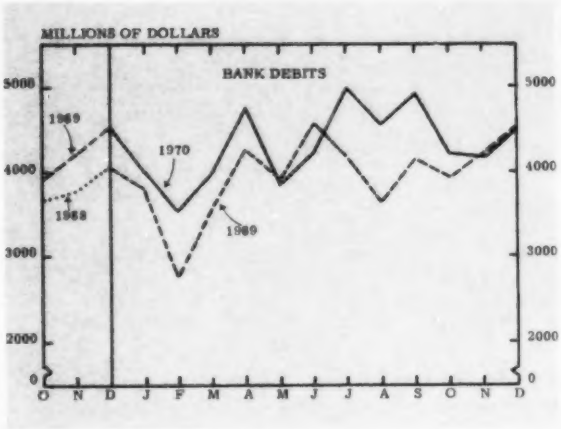


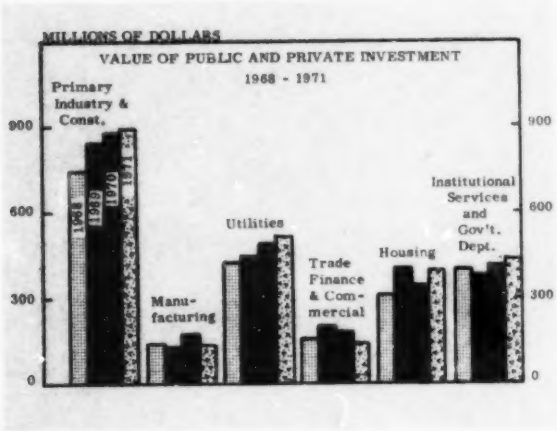




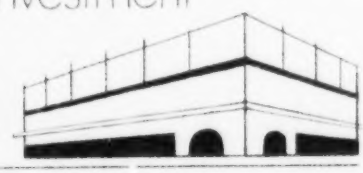








public and private investment



Capital and repair expenditure intentions of all sectors in Alberta's economy indicate outlays of over $2.5 billion in 1971. This anticipated program for 1971 represents an increase of some $63 million or 2.6 per cent over the amount expended in 1970. Of the total, outlays for new construction are expected to increase by $27.7 million or 1.6 per cent over the level of comparable expenditures incurred in 1970. Outlays for machinery and equipment are expected to increase by $35.6 milion or 4.6 per cent.

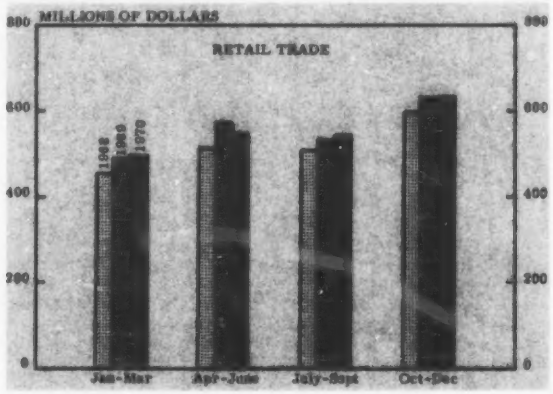
Sectors to be most affected include: housing with an anticipated increase of $57.0 million or 16.7 per cent over 1970 outlays; trade finance and commercial services with an anticipated decline of $33.0 million or 18.2 per cent below 1970 outlays; and manufacturing also anticipating a decline of $38.6 million or 22.2 per cent.

Moderate increases of 4 to 6 per cent are anticipated in the primary and construction industries; utilities, and institutional services and government departments for 1971.

Alberta, with 7.5 per cent of the total Canadian population is receiving over 10 per cent of the total public and private investments in Canada in 1971.

PUBLIC AND PRIVATE INVESTMENTS — ALBERTA
1968 - 1971

		Capital and Repair Expenditures		
		Construction	Machinery & Equipment	Total
		(millions of dollars)		
1. Primary Industries and Construction Industry	1968	424.5	324.8	749.3
	1969	484.4	358.0	842.4
	1970	533.7	330.8	864.5
	1971	546.1	348.4	894.5
Manufacturing:				
2. Food and Beverages	1968	4.3	15.2	19.5
	1969	5.9	16.5	22.4
	1970	9.0	18.5	27.5
	1971	7.1	18.2	25.3
3. Wood	1968	1.5	6.8	8.3
	1969	1.3	6.5	7.8
	1970	0.9	3.5	4.4
	1971	2.0	5.7	7.7
4. Metal Fabricating	1968	0.6	2.5	3.1
	1969	0.6	4.1	4.7
	1970	0.5	2.7	3.2
	1971	0.4	2.0	2.4
5. Non-metallic Mineral Products	1968	1.6	7.3	8.9
	1969	2.9	9.2	12.1
	1970	3.4	10.7	14.1
	1971	0.8	11.9	12.7
6. Other Manufacturing	1968	54.5	49.4	103.9
	1969	35.8	52.6	88.4
	1970	74.1	50.8	124.9
	1971	28.3	59.1	87.4
7. Sub-totals (2 to 6)	1968	62.5	81.2	143.7
	1969	46.5	88.9	135.4
	1970	87.9	86.2	174.1
	1971	38.6	96.9	135.5
8. Utilities	1968	236.8	183.8	420.6
	1969	241.5	197.2	438.7
	1970	278.0	214.9	492.9
	1971	303.7	212.3	516.0
9. Trade, Finance and Commercial Services	1968	74.0	79.3	153.3
	1969	101.3	94.9	196.2
	1970	97.5	83.4	180.9
	1971	57.6	90.3	147.9
10. Housing	1968	309.0	—	309.0
	1969	400.6	—	400.6
	1970	341.2	—	341.2
	1971	398.2	—	398.2
11. Institutional Services and Government Departments	1968	336.1	61.1	397.2
	1969	333.1	53.0	386.1
	1970	359.5	51.8	411.3
	1971	381.3	54.8	436.1
12. Totals	1968	1,442.9	730.2	2,173.1
	1969	1,607.4	792.0	2,399.4
	1970	1,697.8	767.1	2,464.9
	1971	1,725.5	802.7	2,528.2



RETAIL TRADE — ALBERTA — 1967 - 1970

RETAIL TRADE	1967 $'000	1968 $'000	1969 $'000	1970 $'000
Grocery and Combination Stores	343,829	363,256	423,165	451,808
Other Food and Beverage Stores	37,049	39,847	37,528	39,667
General Merchandise Stores	59,200	64,084	307,051	323,618
General Stores	91,595	98,236	73,771	66,289
Department Stores	236,338	270,253	81,881	84,279
Variety Stores	30,056	20,799	30,583	30,429
Motor Vehicle Dealers	378,242	413,219	459,390	378,131
Garage and Filling Stations	177,854	195,107	220,662	225,388
Men's Clothing Stores	24,395	24,731	25,693	26,925
Family Clothing Stores	19,603	20,887	34,986	27,329
Women's Clothing Stores	29,877	32,322	27,893	34,900
Shoe Stores	16,665	18,907	19,727	20,168
Hardware Stores	36,448	39,094	36,596	37,601
Furniture, Appliance and Radio Stores	48,057	51,446	46,073	46,921
Fuel Oil Dealers	8,430	8,843	19,913	19,540
Drug Stores	58,012	62,857	62,110	64,211
Jewellery Stores	20,034	21,074	15,700	15,815
Miscellaneous	269,970	283,064	311,944	334,341
TOTAL	1,885,655	2,028,022	2,234,666	2,227,360

Slight differences between totals and their components are due to the rounding of the figures.

WHOLESALE TRADE — TRENDS — ALBERTA — 1969 - 1970

BY TYPES:	1969 $	1970 $
Amusement and Sporting Goods	10,551	11,365
Auto Supplies and Equipment	172,643	156,815
Chemicals, Drugs and Allied products	50,467	54,698
Dry Goods and Apparel	16,333	16,733
Electric Goods (Household and Industrial	129,067	125,475
Farm Products (Raw Materials)	2,598	3,338
Farm Supplies	4,240	4,499
Tobacco	48,220	50,359
Furniture and House Furnishings	42,377	42,955
Groceries and Meats	402,345	446,327
Hardware	32,678	33,661
Building Materials (Excl. lumber)	49,989	47,339
Lumber and Millwork	65,789	56,284
Machinery, Equipment & Supplies (Commercial & Construction)	29,708	25,248
Machinery and Equipment (Farm)	59,240	42,501
Machinery, Equipment and Supplies (Industrial)	56,207	55,888
Professional Services, Transportation Equipment and Supplies	35,242	37,845
Metals and Metal Work	43,873	47,027
Paper and Paper Products	21,416	22,972
Petroleum and Petroleum Products	244,772	256,019
Plumbing and Heating Equipment and Supplies	66,396	65,219
Miscellaneous	19,939	21,600
TOTAL	1,604,090	1,624,167

SHIPMENTS OF SPECIFIED COMMODITIES TO ALBERTA — 1967 - 1970

		1967	1968	1969	1970
Steel Bars and Shapes, etc. (Some comparable items)	Tons	56,418	51,202	53,482	45,995
Stock and Poultry Feeds	Tons	981,093	1,024,426	1,113,955	1,163,137
Stock and Poultry Secondary Feed	Tons	123,862	128,630	121,260	136,501
Dog and Cat Feeds	Tons	11,351	11,488	11,573	15,158
Stoves: Gas	No.	5,682	8,201	10,264	7,297
Electric	No.	17,440	20,388	25,104	25,408
Plywood	M Sq. ft.	189,945	204,362	214,446	206,056
T.V. Sets	No.	40,303	44,839	49,441	43,738
Radio Phonographs	No.	13,531	13,597	14,063	10,840
Record Players	No.	22,146	20,473	14,859	11,973
Farm Implements	$'000	108,535	93,040	84,342	66,612
Asphalt Roofing:					
Asphalt Shingles, 210 lbs. & over	Roof sqs.	364,525	384,703	492,843	463,196
Asphalt Shingles, less than 210 lbs.	Roof sqs.	4,311	3,711	3,283	1,289
Rag & Asbestos Felt Roll Roofing (general)	Roof sqs.	43,887	46,961	n.a.	33,052
Coated BUR	Roof sqs.	n.a.	n.a.	n.a.	16,563
Mineral Surface Rag & Asbestos, Felt Roll Roofing & Siding	Roof sqs.	56,636	55,059	58,220	60,600
Tar and Asphalt Felts	Tons	4,846	5,919	7,043	5,243
Tar and Asphalt Sheathing (Kraft base)	Tons	852	859	988	825
Tar and Asphalt Sheathing (non-Kraft base)	Tons	213	149	123	135
Roofing Pitch	Tons	248	86	127	102
Roofing Asphalt	Tons	10,297	11,955	16,760	13,479
Rigid Insulating Board (M sq. ft., ½" basis)					
Building Board		3,256	4,007	4,877	4,226
Asphalt Sheathing		4,377	5,546	7,648	7,362
Roof Insulation Board		25,016	24,571	28,428	21,089
Acoustical Tile		1,868	1,875	1,654	1,388
Other Decorative Board		4,696	5,487	5,322	6,027
Other Board		745	685	886	913
Total		39,957	42,171	48,815	41,006
Washing Machines: Automatic	No.	17,610	19,538	20,967	18,586
Conventional	No.	14,800	12,256	10,484	8,957
Clothes Dryers: Electric	No.	14,123	15,396	15,622	15,140
Gas	No.	4,852	5,558	5,831	5,223
Mechanical Refrigerators	No.	24,332	31,642	38,133	35,882
Home and Farm Freezers	No.	16,114	12,628	13,907	12,955
New Motor Vehicles	No.	71,976	78,066	83,851	66,294
	$'000	264,174	282,903	355,087	280,494
Margarine	M Lbs.	14,543	15,370	16,041	17,063
	$'000	4,156	4,237	4,341	4,948

SHIPMENTS OF SELECTED FURNITURE PRODUCTS TO ALBERTA

		(1st Qtr.) 1970	(2nd Qtr.) 1970	(3rd Qtr.) 1970	(4th Qtr.) 1970
Products:					
Bedroom Suites	$'000	573	848	912	758
Living Room and Hall Furniture	$'000	731	291	310	413
Dining Room Furniture	$'000	366	198	231	326
Breakfast Room and Kitchen Furniture	$'000	263	261	443	543
Upholstered Living Room Furniture	$'000	820	1,589	963	1,380
Upholstered Convertible Living Room Furniture	$'000	129	233	267	228
Upholstered Living Room Chairs	$'000	186	232	269	555
Bed Springs	$'000	217	374	502	392
Mattresses	$'000	306	549	718	526

industrial projects-alberta-1970

(reported expenditures of $100,000 or more)
(The folowing list has been compiled from newspaper clippings and Industrial Commissioners' reports.)

COMPLETED DURING 1970

Company and Location	Expenditure Reported $	Product or Type of Operation
A.B.F. Automated Business Forms (Western) Ltd. Edmonton	450,000	Business Forms
Alberta Distillers Ltd. Calgary	217,000*	Distilled Liquors, Industrial Alcohol
B.A.C.M. Industries Ltd. Edmonton	4,000,000	Wallboard, lath
Boise Cascade Ltd. Lethbridge	250,000*	Travel trailers
Bonar & Bemis Ltd. Calgary	650,000*	Plastic bags
Bulldog Electric (Div. of I.T.E. Circuit Breaker (Canada) Ltd.) Edmonton	200,000	Switches, power panelboards, switchboard circuit breakers, pole breakers
Burns Foods Ltd. Edmonton	500,000	Feed mill
Calgary Power Ltd. Wabamun	50,000,000	Generating plant
Canada Safeway Ltd. Edmonton	664,000*	Ice cream products
Canadian Pacific Railway Calgary	425,000*	Repair and service of locomotives
Canadian Utilities Ltd. Forestburg	30,000,000*	Power plant
Canadian Utilities Ltd. Rainbow Lake	3,500,000*	Power plant
Canamer Equipment Ltd. Edmonton	100,000*	Machine fabrication
Cardinal River Coal Co. Ltd. Luscar	10,000,000	Coking coal
Central Fabricators Ltd. Edmonton	110,000*	Structural Steel
City Dressed Meats Ltd. Edmonton	950,000	Meats
Con Force Ltd. Edmonton	412,000*	Precast & Prestress Concrete
Consolidated Concrete Ltd. Calgary	400,000*	Cement products
Dycks Containers and Forest Products Ltd. Edmonton	150,000	Pallets, industrial crating
Edmonton Power Clover Bar	16,000,000	Power plant
Freshwater Fish Marketing Corp. Edmonton	225,000	Fish processing
Gainers Ltd. Edmonton	146,000*	Meat processing
General Industrial Camp Ltd. Edmonton	114,500	Trailers
Guiseppi's Ltd. Edmonton	100,000	Food processing
Imperial Bake N' Serve Ltd. Edmonton	100,000	Frozen bread dough
Inland Cement Industries Ltd. Edmonton	500,000	Cement
Kainai Industries Ltd. Standoff	1,334,800	Campers, mobile homes, related structures

K-Line Manufacturing Ltd. Red Deer	125,000	Fibreglass trailers, truck toppers & campers etc.
Labatt's Alberta Brewery Ltd. Edmonton	450,000*	Brewed products
Lethbridge Concrete Products Lethbridge	196,000*	Concrete, concrete blocks
Liquid Carbonic Canadian Ltd. Edmonton	100,000*	Compressed gases
Magadyne Industries Ltd. Edmonton	650,000*	Foam plastic cartons
McIntyre Porcupine Mines Ltd. Grande Cache	30,000,000	Coking coal
Northern Alberta Dairy Pool Grande Prairie	450,000	Dairy products
Northwest Design and Fabrication Ltd. Fort Macleod Industrial Airport	247,600	Mobile homes, travel trailers
Northwest Polyrama Ltd. Edmonton	250,000*	Polyethylene film products
Old Dutch Foods Ltd. Calgary	1,300,000	Potato chips
Pinecrest Poultry Sales Ltd. Calgary	445,000*	Poultry processors
Revelstoke Building Materials Sentinel	185,000	Sawmill
R. H. Albert & Co. Ltd. Edmonton	155,000	Metal buildings, aluminum windows, custom fabricating
Sabo Bros. Ltd. Edmonton	200,000	Construction buildings
S.I.L. Silica Ltd. Bruderheim	250,000	Silica sand
Trans-Canada Freezers Lethbridge	197,000*	Frozen vegetables
Vauxhall Foods Ltd. Vauxhall	1,588,300	Dehydrated potatoes
Western Canadian Seed Processors Ltd. Lethbridge	300,000*	Margarine
W. S. Tyler Co. of Canada Ltd. Edmonton	167,000	Wire cloth (mesh)

UNDER CONSTRUCTION AT YEAR END 1970:

Alberta Hardwoods Ltd. Slave Lake	2,500,000	Poplar studs, dimension stock
Alpha Dairy Co. Calgary	2,500,000	Dairy products
Calgary Power Ltd. Big Horn	30,000,000	Generating plant
Canada Packers Ltd. Lethbridge	505,000	Hide processing
Canadian Dressed Meats Lethbridge	557,000	Beef pre-cut and packaged
Canadian Industries Ltd. Edmonton	1,000,000*	Polyethylene film extrusion
Canadian Phoenix Steel & Pipe Ltd. Calgary	10,000,000*	Steel pipe
Canadian Phoenix Steel & Pipe Ltd. Edmonton	3,000,000	Steel pipe — spiral welded
Canadian Utilities Ltd. Grande Cache	30,000,000	Thermal power plant
Catelli-Habitant Ltd. Lethbridge	500,000*	Macaroni
C.E. Natco (formerly National Tank) Calgary	1,000,000	Steel fabricating
Colray Manufacturing & Distributing Ltd. Calgary	200,000	Aluminum store fronts, etc.

Fenn-Dor Plastics Ltd. Edmonton	100,000	Rigid plastic cartons and packaging
Grace Containers Ltd. Edmonton	100,000	Foam plastic egg cartons
Grande Prairie Packers (1968) Ltd. County of Grande Prairie	1,025,000	Meat processing and packaging
Gulf Oil Company Ltd. Edmonton	75,000,000*	Refined petroleum products
International Portable Pipe Mills Ltd. Calgary	8,000,000	Pipe
Jasper Dairy Co. Ltd. Edmonton	3,000,000*	Fluid milk by-products
Newell Vegetables Ltd. Brooks	602,000*	Fresh vegetables, potatoes
Oil Patch Equipment Ltd. Edmonton	500,000*	Fabrication of oilfield equipment
Pak Wel Produce Vauxhall	1,800,000*	Dehydrated potatoes
P.O.P. Industries Ltd. Whitecourt	305,000	Pop-off-post holders, CanCrush, Weld-O-Set
Rocky Mountain Packers Ltd. Calgary	1,000,000	Processed meat
Steel Craft Door Products Ltd. Edmonton	235,000*	Lawnmower attachments, garage doors, etc.
Swift Canadian Co. Ltd. Lethbridge	3,551,000	Beef meat packing

PROPOSED AT YEAR END 1970:

Alberta Alfalfa Products Ltd. Brooks	800,000	Pelleted alfalfa
Alcan Canada Products Ltd. Location under study	1,600,000	Aluminum window & door frames, allied products
Aqua Tech. Ltd. Lethbridge	216,000	Activated carbon
Calgary Power Ltd. Wabamun	150,000,000*	Generating plant
Canada Dry Ltd. Edmonton	2,000,000	Soft drinks
Canadian Liquid Air Calgary	500,000	Acetylene gas
Canadian Utilities Ltd. Athabasca Oil Sands	60,000,000	Thermal power plant
Canron Ltd. Calgary	1,000,000	Steel fabricating and pipe
Consolidated Concrete Ltd. St. Albert	100,000	Transit mix concrete
Indalex Limited Calgary	1,000,000	Aluminum extrusions
International Distillers & Vintners Ltd. Lethbridge	9,000,000	Distilled products
J. & T. Feeds Ltd. Hanna	200,000	Cattle and hog feed
Lakeside Packers Ltd. Brooks	1,500,000	Meat packing plant, feed supplement mill
Maloney Steelcraft Ltd. Calgary	500,000	Steel fabricating
Moore Business Forms Lethbridge	2,500,000	Business forms
North Western Pulp & Power Ltd. Hinton	50,000,000*	Pulp mill
Proctor & Gamble County of Grande Prairie	80,000,000	Pulp mill
Syncrude Canada Ltd. Mildred Lake	300,000,000	Synthetic Crude Oil
Westlock Oil Crushing Ltd. Westlock	1,050,000	Oil

Not included in this summary are over 100 [illegible] projects for which expenditures are not available or are less than $100,000. There were 81 projects involving expenditures of less than $100,000 completed during the year at a total cost of $1.8 million. 9 projects with capital costs totalling over $400,000 were under construction at year end.

* expansion

GAS PROCESSING PLANTS — ALBERTA, 1970

COMPLETED DURING 1970

Company	Location of Plant	Expenditure Reported
Alberta Natural Gas Co.	Cochrane	13,000,000
Amerada-Hess Corporation	Olds field	3,000,000*
Amoco Canada Petroleum Co. Ltd.	Marten Hills field	2,000,000*
Amoco Canada Petroleum Co. Ltd.	Waskahigan field	1,000,000
Atlantic Richfield Co.	Alderson field	500,000
Atlantic Richfield Co.	East Swan Hills	500,000
Atlantic Richfield Co.	Gold Creek field	7,000,000
Atlantic Richfield Co.	Sedgewick field	500,000
Canadian Fina Oil Ltd.	Greencourt field	2,000,000
Central-Del Rio Oils Ltd.	Uhalta field	500,000
Chevron Standard Ltd.	Mitsue field	3,000,000
Gulf Oil Canada Ltd.	Swalwell field	250,000
Pacific Petroleums Ltd.	Gilby field	1,000,000
Provident Resources Management Ltd.	Plain Lake field	500,000
Provident Resources Management Ltd.	Warwick field	500,000
Seafort Petroleum Ltd.	Ferrier field	1,000,000*
Shell Canada Ltd.	Burnt Timber area	4,000,000
Shell Canada Ltd.	Jumping Pound field	3,000,000*
Tenneco Oil & Minerals	Brazeau River field	3,000,000
Texaco Exploration Co.	Gilby field	2,000,000*
Voyager Petroleums Ltd.	Plain Lake field	500,000

UNDER CONSTRUCTION AT YEAR END

Amoco Canada Petroleum Co. Ltd.	Bigoray field	1,000,000
Banff Oil Ltd.	Strachan field	25,000,000
Canadian Delhi Oil Ltd.	Minnehik-Buck Lake field	4,000,000
Chevron Standard Ltd.	Kaybob South field	70,000,000
Dome Petroleum Ltd.	Empress	30,000,000
Gulf Oil Canada Ltd.	Strachan field	20,000,000
Imperial Oil Ltd.	Judy Creek field	10,000,000
Imperial Oil Ltd.	Quirk Creek field	8,000,000
Imperial Oil Ltd.	Redwater field	1,000,000*
Shell Canada Ltd.	Waterton	25,000,000*
Shell Canada Ltd.	Hope Creek field	1,000,000

PROPOSED AT YEAR END

Amoco Canada Petroleum Co. Ltd.	Nipisi field	3,000,000
Amoco Canada Petroleum Co. Ltd.	Ricinus field	20,000,000
Canadian Superior Oil Ltd.	Lone Pine Creek field	4,000,000
Dome Petroleum Ltd.	Zama field	10,000,000
Gulf Oil Canada Ltd.	Berland River field	2,000,000
Hudsons Bay Oil & Gas Co. Ltd.	Zama field	3,000,000
Hudsons Bay Oil & Gas Co. Ltd.	Brazeau River	2,000,000*
Imperial Oil Ltd.	Judy Creek field	3,000,000
Pacific Petroleums Ltd.	Phoenix field	10,000,000
Pacific Petroleums Ltd.	Ricinus field	10,000,000
Tenneco Oil & Minerals Ltd.	Flat Lake field	1,000,000*
Tenneco Oil & Minerals Ltd.	Nordegg River	2,000,000*
Westcoast Production Co. Ltd.	Stanmore field	1,000,000

Not included in this summary are ten proposed plants for which expenditures are not available at present.

* expansion